

ABSTRACT

The present invention relates to a pilot poppet type pressure control valve capable of discharging a part of a fluid for thereby constantly maintaining a pressure of a high pressure chamber when the pressure of the high pressure chamber exceeds a certain level. In the pilot poppet type pressure control valve according to the present invention, a discharging port capable of discharging a fluid of a high pressure chamber includes an inner diameter which is gradually increased in a downstream direction for preventing an instant pressure decrease based on the opening by a pilot poppet when the pressure of a high pressure chamber exceeds a certain level. Therefore, in the present invention, it is possible to decrease a vibration and noise based on the discharge of a high pressure fluid based on the inventive construction of the discharging port. In addition, it is possible to process the discharging port at one time using a programmed NC lathe.